

Figure 1

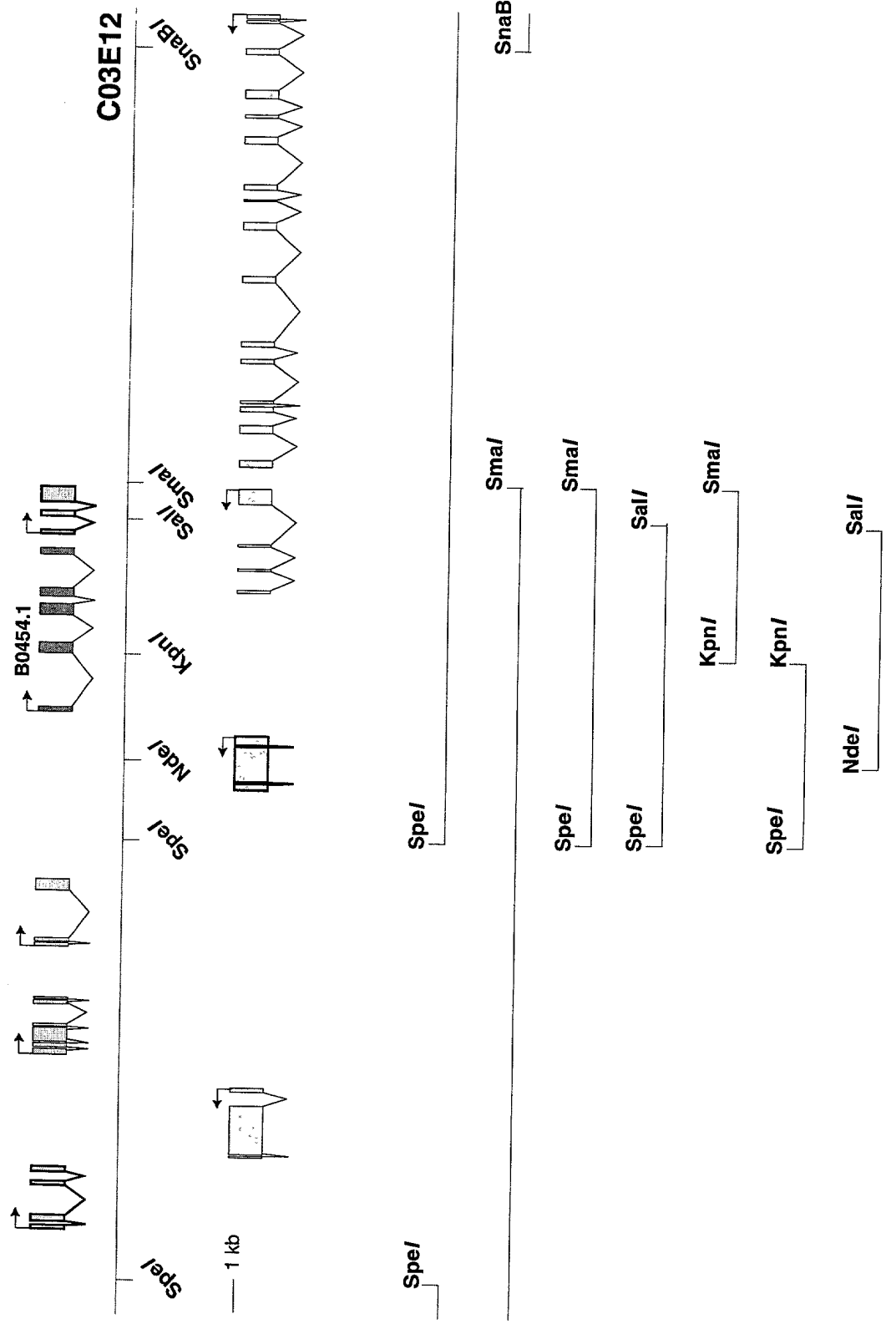


Figure 2

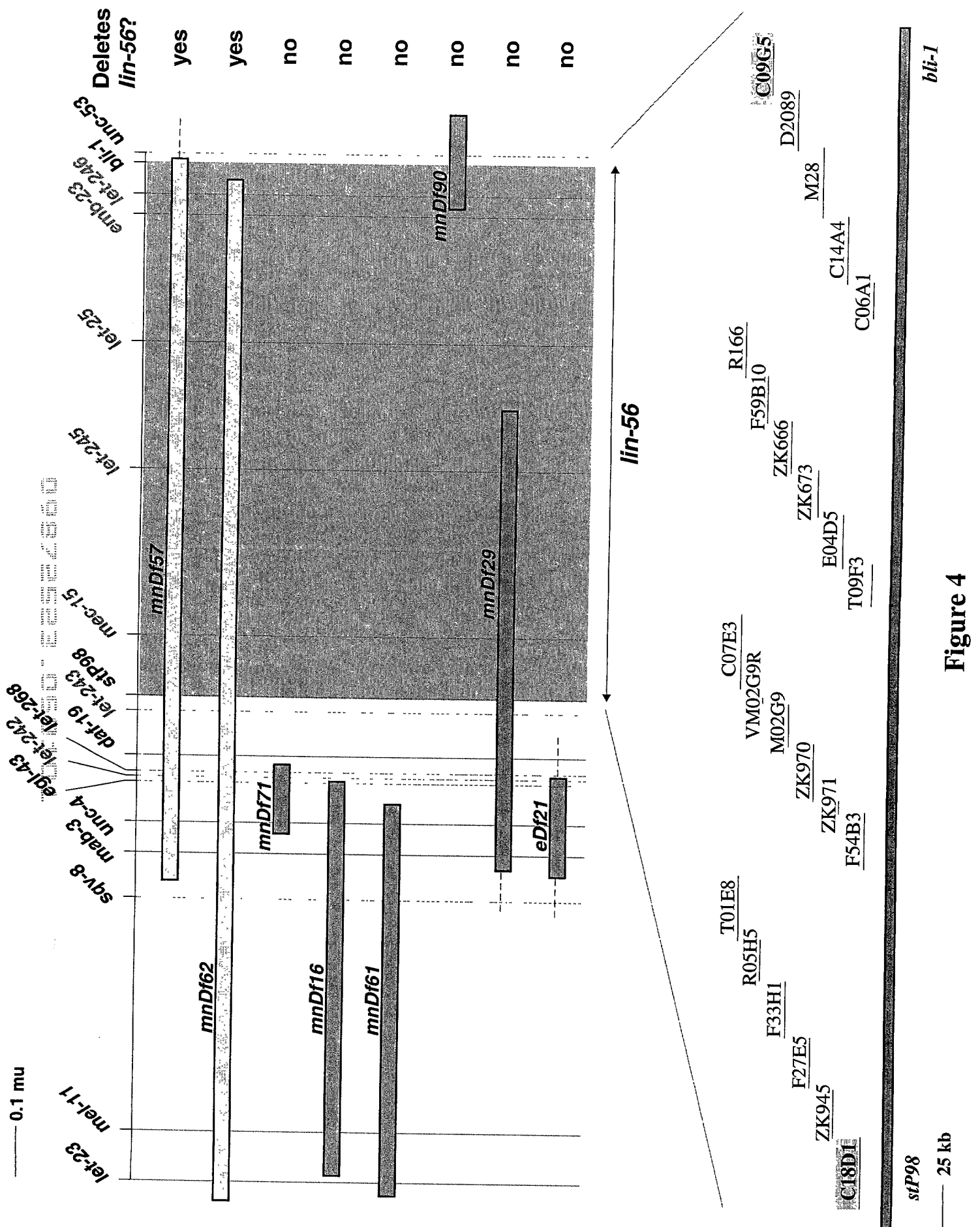


Figure 4

stP98

25 kb

bli-1

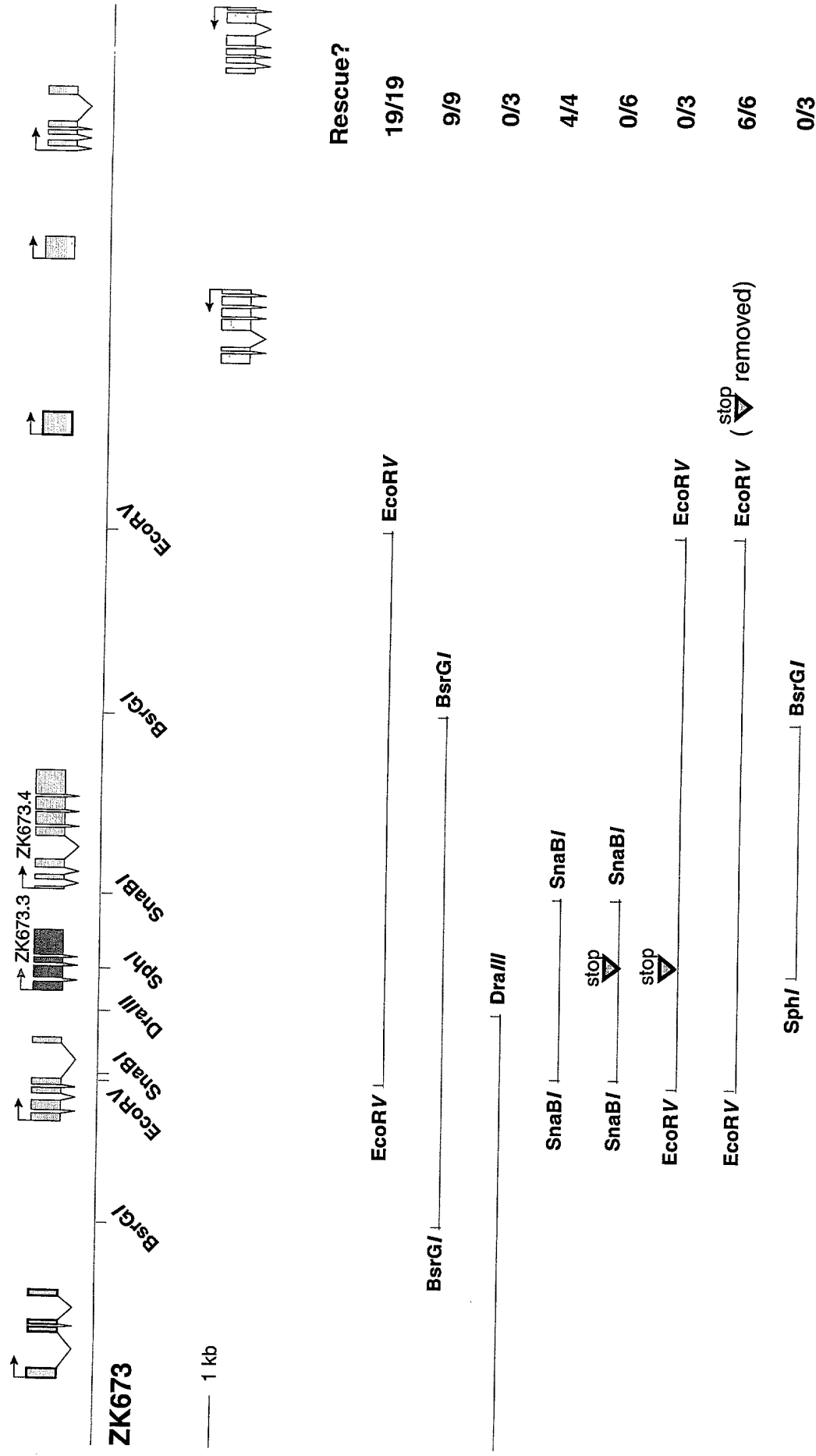


Figure 5

LIN-56	MDHHAMYRTAEFNKTTVRLLAEFIEKTGQNATIVNMDSFLEFFAYLNPTA	50
	PIPTVPEIEKQLLLKSPIRCIVCGMETESDSAVTLSDNASITLTATVIG	100
	YCRDPSDAVNQIRKESLRACKHFNSIFHVIFEGQLQIENTYCAHHAKYSL	150
	ANRWCKVYTMIRSSLGEQFTKFDVRNFKSILQSFLDTFGEIDDDKKDKES	200
	SHFDECFEEMDSENVKESPMESQEEAAEKSFSENLVEVKLEPIETHELD	250
	KTISDFSSSDIIDSSQKLQQNGFPEKVEQMDKYSNKLKDEASDKKYEKPG	300
	KKDYVEEEGYWAPIITDSEDEA	322
LIN-56	RCIVCGMETESDSAVTLSIDNASTIILTATVIGYCRDPSDAVNQIRKESLRACKHFNSIF	128
LIN-15A	PCILCEKALLMRESIAMTDNEAVKVLMAAVMSGHFRMATAEKAIIRHERLRMCYDHFVDFVY	270
ZK673.4	PCIIICGNEVPGHRSI RVSDDDAATFLTAAVLTDAQKTIRQAKRDILSEYLTVCRLRHS LHYY	235
T25B9.8	PCLVGNQMEMTKVRSVNNTDAYIMIVYCV MNDKYDMDKAKELARMQRFKCCVSHLDELY	333

Figure 6

		10	20	30	40
	*....*....*....*....			
consensus	1	FDWEDYL---	EETGARAAPVELF---	DKQPVDSPPNGFKV	34
lin-61	146	VNYVNNCi-dGEIVGQTSLSPKF---	DEGKALLSKHRFKV	181	
lin-61	23	YLWESYLhqfEKGKTSFIPVEAF---	NRNLTVMFNECVKE	59	
lin-61	388	FRWDEYL---	EKESAETLPLDLF---	KPMPSQERLDKFKV	421
hl(3)mbt	206	WSWESYL---	EEQKAITAPVSLFq--	DSQAVTHNKNKGFKL	240
hl(3)mbt	314	FSWSQYM---	CSTRAQAAPKMHF---	VSQSHSPPLGFQV	347
hl(3)mbt	422	FCWEKYL---	EETGASAVPTWAF-----	KVRPPHSFLV	451
tumor sup(Dm)	819	FRWSEYLk--	SKGKDVAAPIHLF----	LNPFPISPNCFEI	852
tumor sup(Dm)	926	FSWSRYL---	VKTGGKAAPRALFghlNMQQQMDVRNGFAV	962	
tumor sup(Dm)	1035	FIWDDYI---	SEVGGMASKELF-----	TPRQPMHEYQE	1064
scmh1 (mouse)	28	FTWDKYL---	KETCSVPAPVHCF---	KQSYTPPSNEFKI	60
scml2 (human)	139	SSWPMFLl-kTLNGSEMASATLF---	KKEPPKPPLNNFKV	174	

		50	60	70	80
	*....*....*....*....			
consensus	35	-----GMKLEAVDP-----	RNPSLICVATVVEVKG	61	
lin-61	182	-----GQRLELLNY-----	SNSTEIRVARIQEICGRR	208	
lin-61	60	-----GVIFETVVHdydkncDSIQVRWFARIEKVC	92		
lin-61	422	iliskrvGLRLEADM-----	CENQFICPATVKS	455	
hl(3)mbt	241	-----GMKLEGIDP-----	QHPSMYFILTVAEVC	267	
hl(3)mbt	348	-----GMKLEAVDR-----	MNPSLVCVASVTDV	374	
hl(3)mbt	452	-----NMKLEAVDR-----	RNPALIRVASVED	478	
tumor sup(Dm)	853	-----GMKLEAIDP-----	ENCSLFCVCSIVE	879	
tumor sup(Dm)	963	-----GMHLEAEDL-----	NDTGKICVATVTD	989	
tumor sup(Dm)	1065	-----RMKLEVVDQ-----	RNPCLIRPATVV	1091	
scmh1 (mouse)	61	-----SMKLEAQDP-----	RNTTSTCIATVV	87	
scml2 (human)	175	-----GMKLEAIDK-----	KNPYLICPATIG	201	

		90	100	110	120
	*....*....*....*....			
consensus	62	LLLHFD-----	GWDDR-----	YDFWCDADSPDIF	85
lin-61	209	MNVSITkdkfpe	slpdADDDRqvfssg	SQYWIDEGSFFIF	246
lin-61	93	VLAQFI-----	GAD-----	TKFWLNILSDDMF	114
lin-61	456	INVNFD-----	GWDEE-----	FDELYDVDSHDIL	479
hl(3)mbt	268	LRLHFD-----	GYSEC-----	HDFWVNANSPDIH	291
hl(3)mbt	375	FLVHFD-----	NWDDT-----	YDYWCDPSSPYIH	398
hl(3)mbt	479	IKIHFD-----	GWSHG-----	YDFWIDADHPDIH	502
tumor sup(Dm)	880	LKLSFD-----	GYSSM-----	YDFWVNADSQDIF	903
tumor sup(Dm)	990	IRVHFD-----	GWDDC-----	YDLWVHITSPYIH	1013
tumor sup(Dm)	1092	VQLHLD-----	CWPTE-----	YFWLEDDSPDLH	1115
scmh1 (mouse)	88	LRLRLD-----	GSDNK-----	NDFWRLVDSSEIQ	111
scml2 (human)	202	VHITFD-----	GWSGA-----	FDYWCKYDSRDIF	225

		130
	*....*
consensus	86	PVGWCEKNGHPLQPP
lin-61	249	PVGFAAVNGYQLNAK
lin-61	115	GLANAAM-SDPNMDK
lin-61	480	PIGWCEAHSYVLQPP
hl(3)mbt	292	PAGWFECTGHKLQLP
hl(3)mbt	399	PVGWCQKQKPLTPP
hl(3)mbt	503	PAGWCSKTGHPLQPP
tumor sup(Dm)	904	PPGWCDETARVLQAP
tumor sup(Dm)	1014	PCGWHEGRQQLIVPP
tumor sup(Dm)	1116	PIGWCEATSHELETP
scmh1 (mouse)	112	PIGNCEKNGGMLQPP
scml2 (human)	226	PAGWCRLTGDVLQPP

Figure 7

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 1
 Protein product of Ce Y48G1A.a 1
 1 M N F S N K K V I L K A F L S K N I I Y F Q R Q Y N Y K L E A Z Y R Y T E E R L F Y R R N P V E K I Q R I P K P Q I E G T W N S D E L F C 75

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 31
 Protein product of Ce Y48G1A.a 76
 31 V E K G K T S P P V E A F N R N L T N F N E C K K G V I F E T V V H -- D Y D K N Q D S I Q V R W F A R H H K V C G Y R V L A Q F F G A D 101
 76 N Y D G N T C E P P V E A L G C L P L E K L N H L K K P G P R L E V V V P S L D P S I A T K S P E R W P G E T A V C C Y V A F V G E L N 150

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 102
 Protein product of Ce Y48G1A.a 151
 102 S G L C F W C N I C G S D I H P G W C A A S G K P -- L V P P R T -- -- I O N K Y T N -- -- D M V N Y V N N C D G E T V G 158
 151 R R -- P C W H H L S E D I F D C S G L K Q D P A M K W Q Y R P L S L K P Q C P F W K G S T A P P V P R P T E E L D E F Q A E L H E 223

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 159
 Protein product of Ce Y48G1A.a 234
 159 Q T S L S P - K F D E G A L L S - H R F K V Q Q R A E L L N Y S S T E I R V A R I Q E I C G R R N V S T K K D P E S L P D A D - D R Q V 230
 234 K R I S E P K I F D Q L R H L H R P S R F C M R V E L D K R H L R T R V A V S V C G R L E R V E S -- -- D -- -- 160

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 231
 Protein product of Ce Y48G1A.a 299
 231 F S G S Q V T D E G S F F I P P V G F A A N G Y Q L N A K K M Y E H E N K I A G A I N G M P P Y D S D D V T F D Q L A K D P I D P M I W R 305
 299 Q H E N V E W D E S S P F F P V G F A M N G L R K A Q Y E H R R I A G S -- G -- F K L N -- -- 350

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 306
 Protein product of Ce Y48G1A.a 351
 306 F V K V G Q K F E L I D P L A Q Q F N N H V A I L K F C K T E G L I V G W D G P D A L T D S -- P P I H L N T F M F P V G V A E K A E L V 378
 351 L K V G Q K F E L I D P L A Q Q F N N H V A I L K F C K T E G L I V G W D G P D A L T D S -- P P I H L N T F M F P V G V A E K A E L V 423

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 379
 Protein product of Ce Y48G1A.a 434
 379 P P D - E F K Q T F A W D E Y L N K E S A E T P L P K P P S Q E R L D K F P V I S K R V G L R L E A A D N C E Q F I C P A T V K S V H G 452
 434 R L A G T E P G K F K N G Y L E K Q A E K P D L P P S K E R R H M F E F G R L E A V G Q -- -- N E Y Y W I S P A V E M V H G 491

Translation of lin-61 cDNA
 Protein product of hsp BAA90919 453
 Protein product of Ce Y48G1A.a 512
 453 R L N N V F D G W D E E F D E L Y D S H D L P G W C A K S Y V L Q P P K K Y N Y 498
 512 R L N N V F D G W D E E F D E L Y D S H D L P G W C L T G Q L Q P P A S Q C K L V Y R K G V L L 512

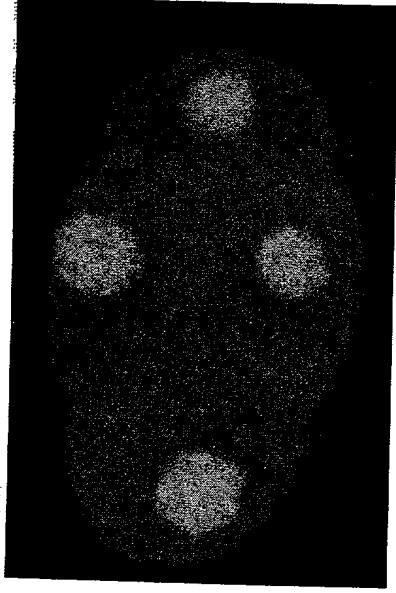
Figure 8

A



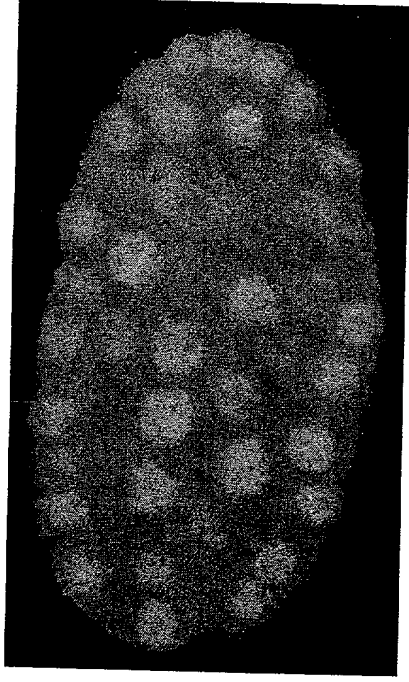
2-cell embryo

B



4-cell embryo

C



multicellular embryo

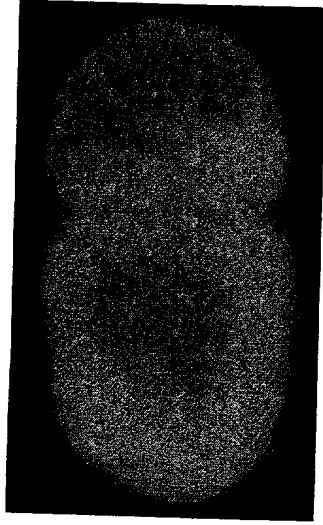
D



vulval region of an L4 larva

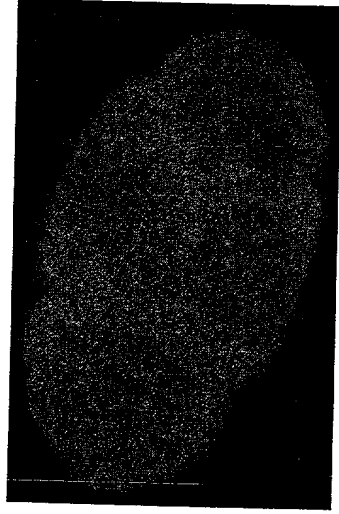
Figure 9

A



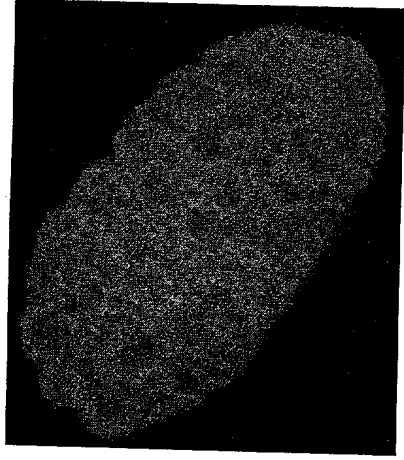
2-cell embryo

B



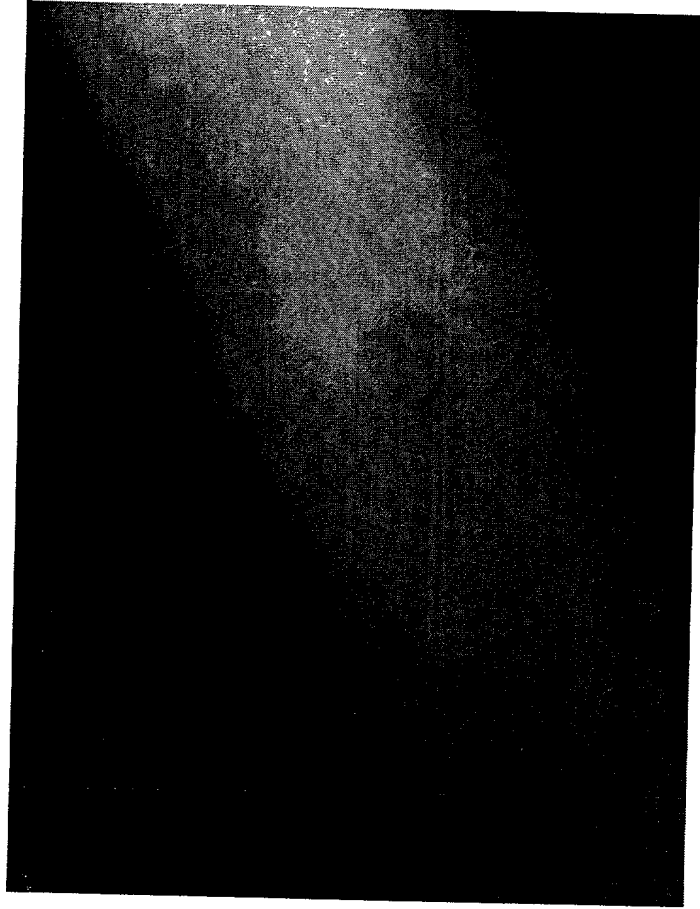
4-cell embryo

C



multicellular embryo

D



vulval region of an L4 larva

Figure 10

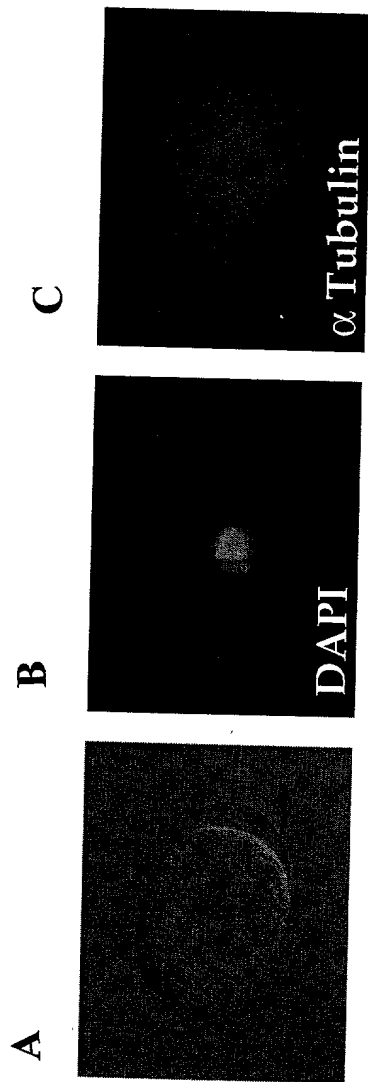


Figure 11

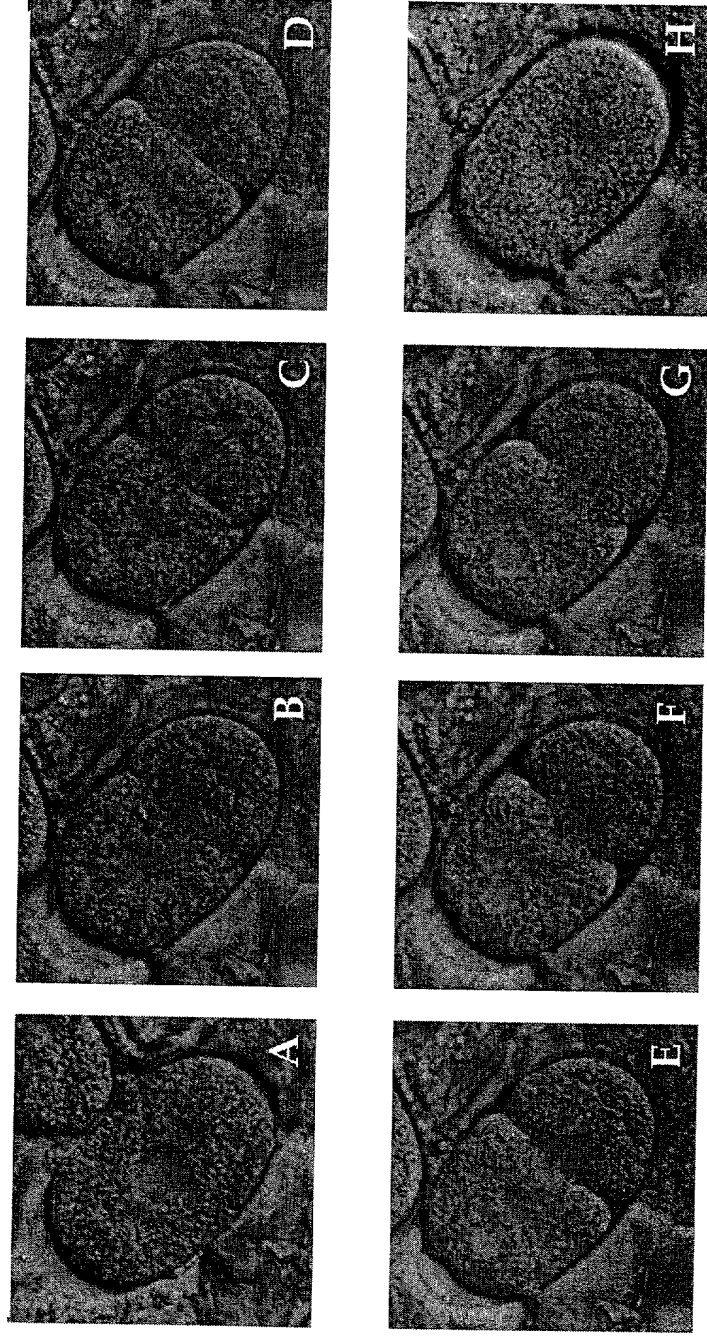


Figure 12

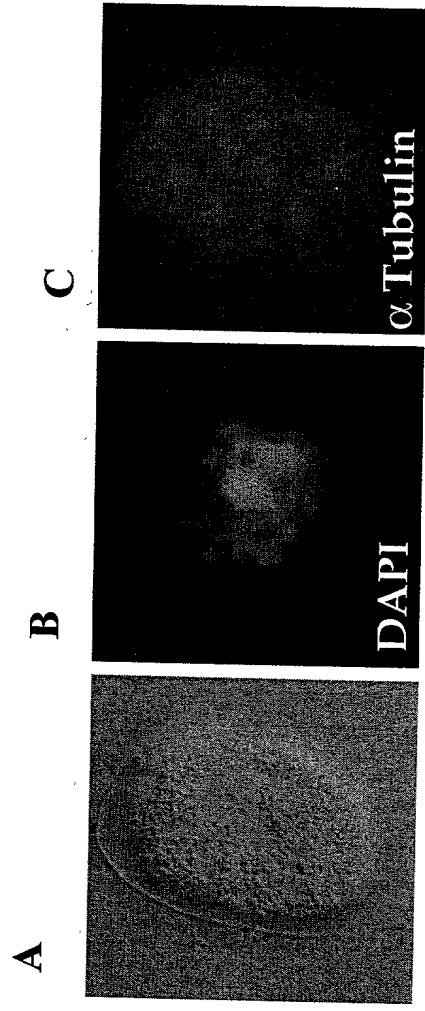


Figure 13